

In re Patent Application of:
HOLLAND ET AL.
Serial No. 10/619,327
Filing Date: July 14, 2003

REMARKS

Claims 1-3, 5-6, 8 and 9 remain in this application. Claims 4, 7 and 10 have been cancelled. Claims 1, 5 and 8 have been amended. Claims 2 and 9 have been previously presented.

Applicants thank the Examiner for the detailed study of the application and prior art and have filed a Request for Continued Examination (RCE) to have this After Final Amendment entered and considered.

Each of the independent claims specifically recite that other nodes not having the call device coupled thereto are not transmitting a reply message and not broadcasting other signals for location or routing.

The claimed method is patentable over the cited U.S. Patent No. 6,647,264 to Sasamoto in view of U.S. Patent No. 6,741,696 to Moriyama.

Sasamoto particularly discloses that routers transmit back a paging message to the corresponding wireless access network if the specified mobile station is not found in the memory for requesting a reply from the specified mobile station.

The claim amendment as presented in this After Final Amendment makes this patentable distinction with Sasamoto better by particularly reciting that other nodes not having the call device coupled thereto are not transmitting a reply message and not broadcasting other signals, such as a paging message, for location or routing.

Sasamoto particularly discloses in FIG. 7C as a sequence diagram that the other nodes as routed must broadcast paging signals S2 to find that the requested mobile station is not within their location areas. This is defined in column 6

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starting at line 53 and continuing through column 7 at line 5
as was also referred to by the Examiner and also as indicated:

"In FIG. 7C, a sequence diagram of incoming calls to the mobile station 130 according to the first embodiment is illustrated. In response to a first packet P1 from the data network 115, the gateway 114 sends search request messages S1 to the routers 111, 112 and 113. Since the location data of the mobile station 130 is stored only in the router 112, the latter responds with a reply message R, while the other routers broadcast paging signals S2 only to find that the requested mobile station is not within their location areas. Gateway 114 responds to the reply message R from the router 112 by sending the packet P1 to the router 112 and storing the routing data (DA, SA, RA) of the packet P1 in its routing table. Router 112 transmits the packet P1 to the mobile station 130 via the base station 131. When a second packet P2 arrives, the gateway 114 forwards it simply to the router 112 by using the corresponding data stored in its routing table and the router 112 relays the packet P2 to the mobile station. Subsequent packets destined for the mobile station 130 will be transmitted in the same manner as the packet P2."

The broadcast messages from each node are used by Sasamoto for storing the routing data such as at each node or router. In the claimed method, on the other hand, a copy of the dialing plans for all other nodes is not required and there is no update required to the specific routers or nodes. There is no broadcasting of other signals, such as paging signals, for location or routing by these other nodes.

Moriyama discloses a private branch exchange (PBX) as an automatic call distributing (ACD) system, but there is no dynamic registration or assignment of individual stations

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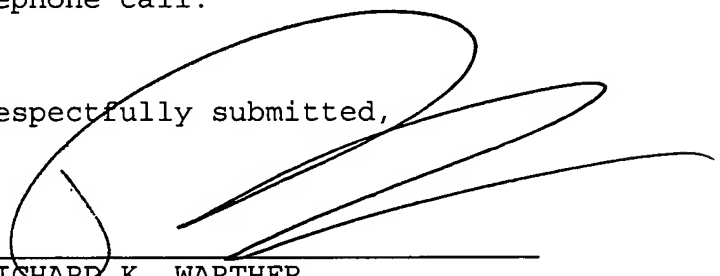
within their network's automatic call distribution systems as a PBX.

Although in the last Office Action, Applicants stated that one skilled in the art by combining Sasamoto and Moriyama would have to transmit back different paging messages from all nodes for faster mobility in a PBX, indeed, there is no motivation by one skilled in the art to combine Moriyama with the primary reference Sasamoto because Moriyama would communicate with other PBX's with separated databases using extension groups for distributing loads as compared to Sasamoto, which must broadcast the paging signals or messages.

Applicants contend that the present case in condition for allowance and respectfully requests that the Examiner issue a Notice of Allowance and issue fee due.

If the Examiner has any questions or suggestions for placing the case in condition for allowance, the undersigned attorney would appreciate a telephone call.

Respectfully submitted,



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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: **MAIL STOP AF, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450**, on this 21st day of October, 2008.

Julia Lalan